

DH100F

DH100F features an integrated multi-functional design that supports PV access and on-grid to off-grid switching. It encompasses the whole scenario of photovoltaic, storage and diesel generator. The single cabinet capacity of 71/86/100kWh optional, allowing for customization based on electricity consumption needs. This system is ideal for office parks, commercial buildings, charging stations, and other small industrial and commercial applications.



Flexible Expansion

Single cabinet capacity of 71/86/100kWh optional, supports both on-grid and off-grid AC parallel operation



Simple O&M

Modular design, rear outlet and lower outlet mode, easy to install, easy to layout, easy to maintain



IP55 +C3

Fearless of outdoor installation, strong environmental adaptability



Safe & Reliable

Three-level fire detection + active exhaust + passive explosion-proof design to eliminate hidden hazards and ensure safe operation



Full-scenario

Supporting PV access, on-grid to off-grid switching, covering the whole scenario of photovoltaic, storage and diesel generator

Specification

| Model | DH100F-C70 | | DH100F-C80 | DH100F-C100 |
|-------------------------|--|----------------|----------------|-------------|
| Battery | | | | |
| Battery Type | LiFePO ₄ | | | |
| Battery Capacity | 280Ah | | | |
| Rated Current | 140A | | | |
| Max. Current | 160A | | | |
| PACK Configuration | 1P16S*5 | 1P16S*6 | 1P16S*7 | |
| Voltage Range | 232~288Vdc | 278.4~345.6Vdc | 324.8~403.2Vdc | |
| Nominal Capacity | 71kWh | 86kWh | 100kWh | |
| On-grid AC Side | | | | |
| Rated Power | 35kW | 40kW | 50kW | |
| AC Maximum Current | 60A | 74A | 86A | |
| AC Rated Voltage | 400Vac | | | |
| Wiring Method | 3P4L+PE | | | |
| Frequency | 50Hz/60Hz | | | |
| Power Factor | 0.8 (Leading)~0.8 (Lagging) | | | |
| THDi | < 5% (Rated power) | | | |
| Off-grid AC Side | | | | |
| Rated Power | 35kVA | 40kVA | 50kVA | |
| AC Maximum Current | 60A | 74A | 86A | |
| AC Rated Voltage | 400Vac | | | |
| Wiring Method | 3P4L+PE | | | |
| Frequency | 50Hz/60Hz | | | |
| Unbalanced Load | 100% | | | |
| THDv | < 3% (Liner load) | | | |
| Photovoltaic (Optional) | | | | |
| Max. Input Power | 25kW*2 | 30kW*2 | 35kW*2 | |
| Max. Input Current | 80A*2 | | | |
| Short-circuit Current | 100A | | | |
| Max. Voltage | 1000Vdc | | | |
| Input Voltage Range | 300~1000Vdc | 350~1000Vdc | 400~1000Vdc | |
| Start-up Voltage | 375Vdc | 440Vdc | 500Vdc | |
| MPPT Path | 2 | | | |
| System | | | | |
| Weight | 1500±100kg | 1600±100kg | 1700±100kg | |
| Dimension (W/D/H) | 1200/1205/2260mm | | | |
| Max. Efficiency | 84% | | | |
| Air Conditioner Power | 2kW (Cooling), 1kW (Heating) | | | |
| Operating Temperature | -20~50°C (Derating above 45°C) | | | |
| Operating Humidity | 0~95%RH (Non-condensing) | | | |
| Ingress protection | IP55 | | | |
| Anti-corrosion Grade | C3 | | | |
| Cooling Method | Air cooling | | | |
| Noise | ≤70dB | | | |
| Elevation | 3000m (Derating above 2000m) | | | |
| Display | Touch screen | | | |
| Fire Protection | Aerosol, Multi-sensor/Water ingress, Explosion-proof ventilation | | | |
| Communication | Ethernet/4G/RS485 | | | |
| Certification | CE, LVD, UN38.3 | | | |

